Figure 1

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Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

$\label{eq:ac-ytslih} \textbf{Ac-YTSL1HSLIEESQNQQEKNEQELLELDKWASLWNWFC-NH}_{\textbf{14}} \ (\textbf{P37C})$

Peptide

Peptide

$$(H_2C)_5$$
 $(H_2C)_5$
 $(H_2C)_5$

Figure 7

 ${\bf R}={\bf spacer}$ with the length of 1-50 atoms, where the atoms could be C, N, O, P, S and any other possible atoms and their combinations.

 $\mathbf{X}=\mathbf{a}$ any functional groups or moleties, such as peptides, proteins, lipids, carbohydrates, and nucleic acids, or simple functional groups such as OH, NH2, etc.

Figure 8

Figure 9

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P-7C: Ac-Glu-Leu-Asp-Lys-Trp-Ala-Cys-NH₂

P-37C: Ac-YTSLIHSLIEESQNQQEKNEQELLELDKWASLWNWFC-NH2

T-helper: CGSSSQYIKANSKFIGITEL-NH2

Figure 10

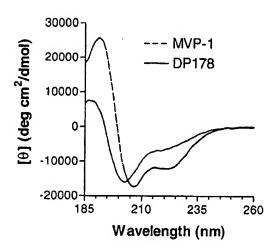


Figure 11

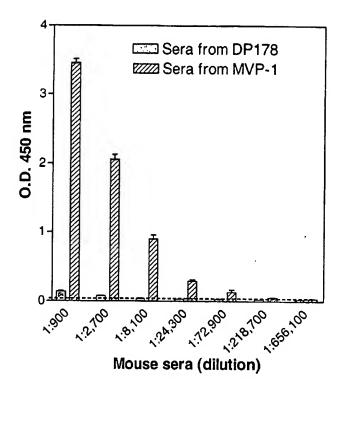


Figure 12

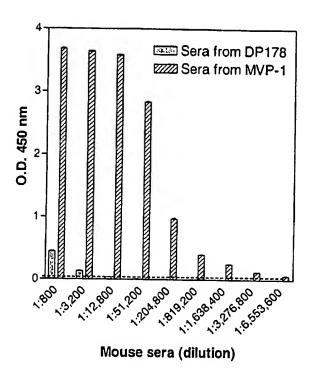


Figure 13